

Converting Colors

XYZ(37.8288, 34.6911, 16.4380)

Have a look what the booklet for
XYZ(37.8288, 34.6911, 16.4380)
contains.

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Color

**XYZ(37.8627, 34.7474,
16.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	CD9363
RGB	205, 147, 99
RGB Percent	80%, 58%, 39%
CMY	0.1961, 0.4235, 0.6118
CMYK	0.00, 0.28, 0.52, 0.20
HSL	27°, 51%, 60%
HSV	27°, 52%, 80%
XYZ	37.8627, 34.7474, 16.5157
YIQ	158.8700, 49.9760, -2.6320

Conversions

Conversions Part 2

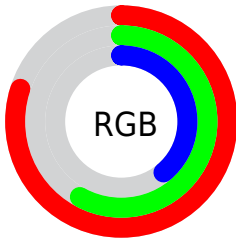
Format	Color
R_{YB}	205, 187, 99
Decimal	13472611
CIE _{Lab}	65.55, 16.38, 33.94
CIE _{LCh}	66, 37.691, 64.236
Yxy	34.7474, 0.4248, 0.3899
Android (android.graphics.Color)	4291662691 (0xFFCD9363)
YUV	158.8700, -29.5159, 40.4560
Hunter-Lab	58.9469, 11.4967, 24.6510

Details

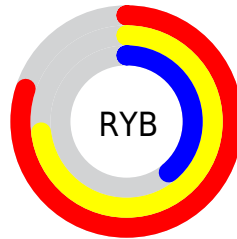
The XYZ color **37.8627, 34.7474, 16.5157** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.2215, 31.1731, 62.2871**, and the grayscale version is **33.0106, 34.7297, 37.8207**.

A 20% lighter version of the original color is **67.7126, 65.2677, 38.3072**, and **16.9932, 14.9007, 5.1124** is the 20% darker color. If you saturate the color by 10%, you get **35.3445, 31.0854, 11.4396**, and if you desaturate by 10%, it is **40.8014, 38.8524, 22.9599**.

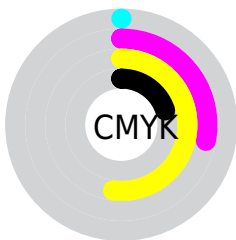
Distribution



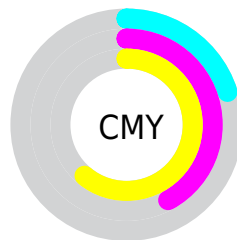
- Red (80%)
- Green (58%)
- Blue (39%)



- Red (80%)
- Yellow (73%)
- Blue (39%)



- Cyan (0%)
- Magenta (28%)
- Yellow (52%)
- Black (20%)





- Cyan (20%)
- Magenta (42%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8627, 34.7474, 16.5157 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.8627, 34.7474, 16.5157 by changing the saturation by 10% instead.


 37.8627, 34.7474,
16.5157


 37.8627, 34.7474,
16.5157


328.3217,
323.4520, 244.3146


 26.0529, 23.4684,
9.7315


 71.2029, 67.0943,
38.2704

 16.9961, 14.9397,
5.1180

 93.4640, 88.9309,
54.0779

 10.3270, 8.7771,
2.2567


 119.9395,
115.0555, 73.7304

 5.6802, 4.5961,
0.7068

 150.9949,
145.8524, 97.6462

 2.6904, 2.0123,
0.0000

186.9954,
181.7062, 126.2440

 0.9923, 0.6146,
0.0000

228.3065,

 0.0000, 0.0000,

223.0011, 159.9423

0.0000

275.2935,
270.1215, 199.1597

■ 37.8627, 34.7474,
16.5157

■ 37.8627, 34.7474,
16.5157

■ 35.3445, 31.0854,
11.4396

■ 40.8014, 38.8524,
22.9599

■ 33.2202, 27.8440,
7.6267

■ 44.1800, 43.4116,
30.8622

■ 31.4637, 25.0060,
4.9602

■ 48.0194, 48.4418,
40.3075

■ 30.0432, 22.5501,
3.2995

■ 52.3385, 53.9574,
51.3731

■ 29.0770, 20.7796,
2.4783

■ 57.1547, 59.9722,
64.1315

■ 62.4848, 66.4992,
78.6505

■ 68.3447, 73.5510,
94.9944

■ 73.4340, 80.6135,
106.2973

■ 76.7788, 87.3032,
107.4123

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6109, 34.7474, 23.1683



37.8627, 34.7474, 16.5157



32.2479, 34.7474, 14.8802

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.8627, 34.7474, 16.5157



23.5242, 34.7474, 40.1261



39.3711, 34.7474, 68.9738

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.8627, 34.7474, 16.5157



28.2215, 31.1731, 62.2871

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.8173, 34.7474, 77.0107



37.8627, 34.7474, 16.5157



24.9990, 34.7474, 57.6628

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.8627, 34.7474, 16.5157



24.3529, 34.7474, 26.0901



28.6205, 34.7474, 72.3823



43.5476, 34.7474, 52.6598

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8627, 34.7474, 16.5157



28.8545, 34.7474, 16.3191



28.6205, 34.7474, 72.3823



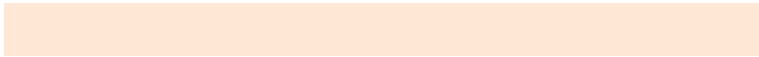
37.5821, 34.7474, 72.9121

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.8635, 34.7491, 16.5164



82.4508, 84.2205, 75.6629



35.7503, 24.3477, 34.8483



17.3342, 17.6255, 15.3929



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8635, 34.7491, 16.5164



57.4880, 50.3112, 17.9659



48.0138, 55.0497, 19.8998



11.6238, 12.0365, 11.7901



18.1939, 13.1208, 1.5736



1.0141, 0.8278, 0.1063

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.2215, 31.1731, 62.2871



39.9854, 43.7884, 100.9523



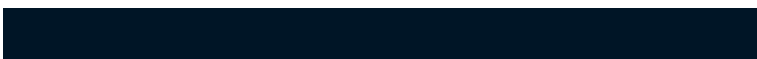
21.1459, 17.0219, 59.9285



11.1019, 11.8442, 14.2714



10.5743, 10.1726, 37.3625



0.6207, 0.6752, 1.9526

Previews

White Background



This preview shows how the XYZ color 37.8627, 34.7474, 16.5157 looks on a white background.

Color Contrast Check

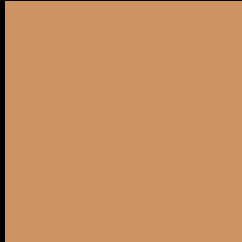
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.8627, 34.7474, 16.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

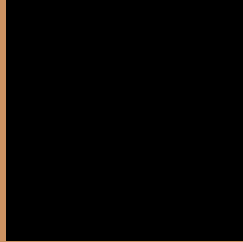
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8627, 34.7474, 16.5157

Background



This preview shows how black text looks on a background with the XYZ color 37.8627, 34.7474, 16.5157.



This preview shows how white text looks on a background with the XYZ color 37.8627, 34.7474,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.8627, 34.7474, 16.5157

Protanopia

32.3031, 35.0253, 18.1547

Deuteranopia

35.4252, 34.6758, 16.3813



Tritanopia

41.2585, 34.5458, 33.7716

Trichromacy



Original Color

37.8627, 34.7474, 16.5157

Protanomaly

34.1272, 34.7163, 17.4726

Deuteranomaly

36.1369, 34.5649, 16.3223

Tritanomaly

39.9997, 34.7208, 26.4234

Monochromacy



Original Color

37.8627, 34.7474, 16.5157

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.1412, 34.4789, 28.5226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8627, 34.7474, 16.5157 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 147, 99)` looks like.

```
.text, #text, p{  
    color:rgb(205, 147, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 147, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 147, 99) }
```

Border

The CSS property to change the border of an element to XYZ 37.8627, 34.7474, 16.5157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 147, 99) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 147, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(205, 147, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 147, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 147, 99);  
box-shadow:4px 4px 4px 4px rgb(205, 147,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8627, 34.7474, 16.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 147, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
147, 99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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